PROJECT DESIGN PHASE-1

PROPOSED SOLUTION TEMPLATE

Date	September 2022
Team id	PNT2022TMID16932
Project name	Project-IOT based smart crop protection for agriculture
Maximum Marks	2 marks

PROPOSED SOLUTION TEMPLATE:

Project team shall fill the following information in proposed solution template.

S.No.	PARAMETER	DESCRIPTION
1.	Problem statement(problem to be solved)	In the world economy of many Country dependent upon the agriculture .In spite of economic development agriculture is the backbone of the economy. Crops in forms are many times ravaged by local animals like buffaloes, cows, goats, birds and fire etc. this leads to huge loss for the farmers.it is not possible for farmers to blockade to entire fields or stay 24 hours and guard it. Agriculture meets food requirements of the people and produces several raw materials for industries. But because of animal interference and fire in agricultural lands, there will be huge loss of crops. Crops will be totally getting destroyed.
2	Idea/solution description	**Main solution:** • Our main purpose of project is to develop intruder alert to the farm, to avoid losses due to animals and fire. • Agricultural fences are quite an effective wild animal protection

		technology.
		• Use AGRVI to increase crop protection with intelligent pest alarms.
3	Novelty/uniqueness	• Helps farmers to better understand the important factor such as water , topography, aspect, vegetation and soil types. • It also supports verification activities, by connecting information through the supply chain so that production claims can be checked • Control of weeds and integrated management.
4	Social/impact	• Improve the productivity. • Save lives of farmers. • Increase the quality, by making maximum use of resources. • Drones for farms by being able to cover hundreds of acres in one flight.
5	Business model(revenue model)	• Community based solution • Increase the proper products cost. • Canvas a business model.
6	Scalability of the solution	• The develop system will not harmful and injurious to animals as well as human beings. • Low cost solution, lower dependency on power. • Simple solution to suite the farmer community.